

## STATE OF TEXAS WELL REPORT for Tracking #91955

Owner: **U.S. Dept. of Energy**

Owner Well #: **PTX06-PRB16**

Address: **P.O. Box 30020  
Amarillo, TX 79120**

Grid #: **06-44-5**

Well Location: **U.S. Hwy 60 and FM 2373  
Panhandle, TX 79068**

Latitude: **35° 17' 57" N**

Longitude: **101° 32' 51" W**

Well County: **Carson**

Elevation: **No Data**

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #173867**

Type of Work: **New Well**

Proposed Use: **Monitor**

Drilling Start Date: **6/10/2006**

Drilling End Date: **8/30/2006**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>12</b>	<b>0</b>	<b>310</b>

Drilling Method: **Air Rotary; Casing Hammer (ARCH)**

Borehole Completion: **Filter Packed; multiable screens**

Filter Pack Intervals:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
<b>261</b>	<b>280</b>	<b>Gravel</b>	<b>B8/16</b>

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>10</b>	<b>256</b>	<b>Volclay grout</b>
<b>256</b>	<b>261</b>	<b>Bentonite chips</b>
<b>270</b>	<b>274</b>	<b>Bentonite chips</b>

Seal Method: **Treimmie**

Distance to Property Line (ft.): **>1k**

Sealed By: **WDC**

Distance to Septic Field or other  
concentrated contamination (ft.): **>1k**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **est.**

Surface Completion: **Alternative Procedure Used**

Water Level: **No Data**

Packers: **NO PACKERS**

Type of Pump: **N/A**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	UNDESIRABLE

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Natural Injurious Constituents	Unnatural Injurious Constituents
	<b>Hazardous constituents (high explosives,chrome) dissolved in groundwater</b>

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **WDC Exploration and Wells**  
**3621 Hwy 47**  
**Peralta, NM 87042**

Driller Name: **George F. Sheehan** License Number: **1399**

Comments: **Well constructed per Pantex criteria for possible future T.C.E.Q. permit as an injection well.**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	10	CLAY: Some silt, trace of very fine grained sand, increasing percentage with depth, trace of caliche, 5YR 5/6
10	20	CLAY: " " " . . ., very fine grained sand content increasing with depth, 5YR 6/6
20	40	CLAY: Some silt, silt content increasing with depth, trace of very fine grained sand and caliche, 5YR 5/6
40	55	CLAY: " " " . . ., drilling through alternating layers of caliche throughout section, 5YR 5/8

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 N	PVC	Sch 80 Non Perforated	+003-266.2
4 N	316 SS	.010 Slot Size	266.2-270.2
4 N	316 SS	Non-Perforated	270.2-274.2
4 N	316 SS	.010 Slot Size	274.2-278.2
4 N	316 SS	Cap	278.2-278.5

55	105	SILT and SAND: Very fine grained sand, some weakly cemented fragments in cuttings, hard drilling at 78 and from 90 to 100, 5YR 6/6
105	151	SAND: Very fine grained, weak to moderately well cemented sand fragments, well sorted, 5YR 6/6
151	215	SAND: Very fine grained, weak to moderately well cemented chips in cuttings, well sorted, 10YR 7/6.
215	220	SAND: Very fine and fine grained, well sorted, moderately well cemented chips in cuttings, 10YR 6/6
220	227	Sand: Very fine and fine grained, trace of medium and coarse grained sand, trace of fine and coarse gravel, 10YR 7/4
227	235	GRAVEL: Fine and coarse gravel, little medium and coarse grained sand, very poorly sorted, 10YR 7/4
235	272	SAND: Fine to coarse grained, little to some fine and coarse gravel up to 60mm, poorly sorted, 10YR 7/4
272	282	SAND: Fine to coarse grained, very poorly sorted, trace to little coarse gravel, damp, 10YR 5/7
282	310	SAND: Fine to coarse grained, trace to little fine gravel, poorly sorted, moist to dry, 10YR 6/6

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#### IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**